

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES  
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1962-0249

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April 22, 1963

Memorandum

# COAL NONFATAL

To : G. W. Parry, Subdistrict Supervisor, District I,  
Barbourville, Kentucky

From : Assistant Director--Health and Safety

Subject: Report on the investigation of a local bump, Brookside  
mine, Kentucky Jellico Coal Co., Ky., November 2, 1962,  
by Gilley

We have no record of having received the subject report referred  
to in your teletype of November 5, 1962. Please transmit 3 copies  
of this report to complete our records.

  
Assistant Director--  
Health and Safety

cc:  
DCMI - 4526  
C. M. Keenan  
J. S. Malesky - Norton, Va.  
W. R. Park - Mt. Hope, W. Va.  
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES  
Health and Safety Activities  
District I, Barbourville, Kentucky

April 30, 1963

Memorandum

To: G. W. Parry, Subdistrict Supervisor - Barbourville, Ky.

From: Charles H. Sample, Federal Coal-Mine Inspector

Subject: Coal outbursts in K main section, Brookside mine, Kentucky  
Jellico Coal Company, Incorporated, Brookside, Harlan County,  
Kentucky, November 2 and 3, 1962

Adrain Nolan, mining-machine operator, and Cecil Dozier, machine operators' helper, suffered minor injuries when a coal outburst occurred in the partially extracted barrier pillar between No. 5 and No. 6 room entries, which had been driven left off K main entry, at 8:30 p. m., November 2, 1962, in the subject mine. Both employees were hospitalized for treatment of cuts and bruises. Dozier was released promptly, and Nolan remained in the hospital about 3 days. A second outburst occurred about 6:30 a. m., November 3, 1962. The first-shift employees had not arrived on the section when this outburst occurred, and there were no injuries or property damage.

All mining in K main section was confined to the recovery of entry chain pillars and the flanking barrier pillars (see sketch No. 2). The barrier pillars, formed during the development of the K main section, were of decidedly unequal deminsions and each one created a different problem during extraction.

The outbursts were caused by driving splits toward the caved areas in a highly stressed coal pillar. Driving the splits without spads which resulted in forming a large pillar point on the gob end of the remnant was a contributing factor (see sketch No. 1).

RECOMMENDATIONS

The following recommendations were discussed with the operating officials and may minimize outbursts in the future:

1. The pillars should be recovered by the open-end lift method; however, where roof conditions present a hazard, a thin wing or fender is permissible. The lifts should be driven so that each lift and adjacent consecutive lifts will be mined along the gob sides of the pillars. Only one lift, not more than 16 feet wide, should be mined at one time.

Attachments (2)

2. Pillar splits should not be driven without spads or to excessive widths into a pillar so as to cause the pillar to be "pushed out" instead of being extracted from the gob side.

#### ACKNOWLEDGMENT

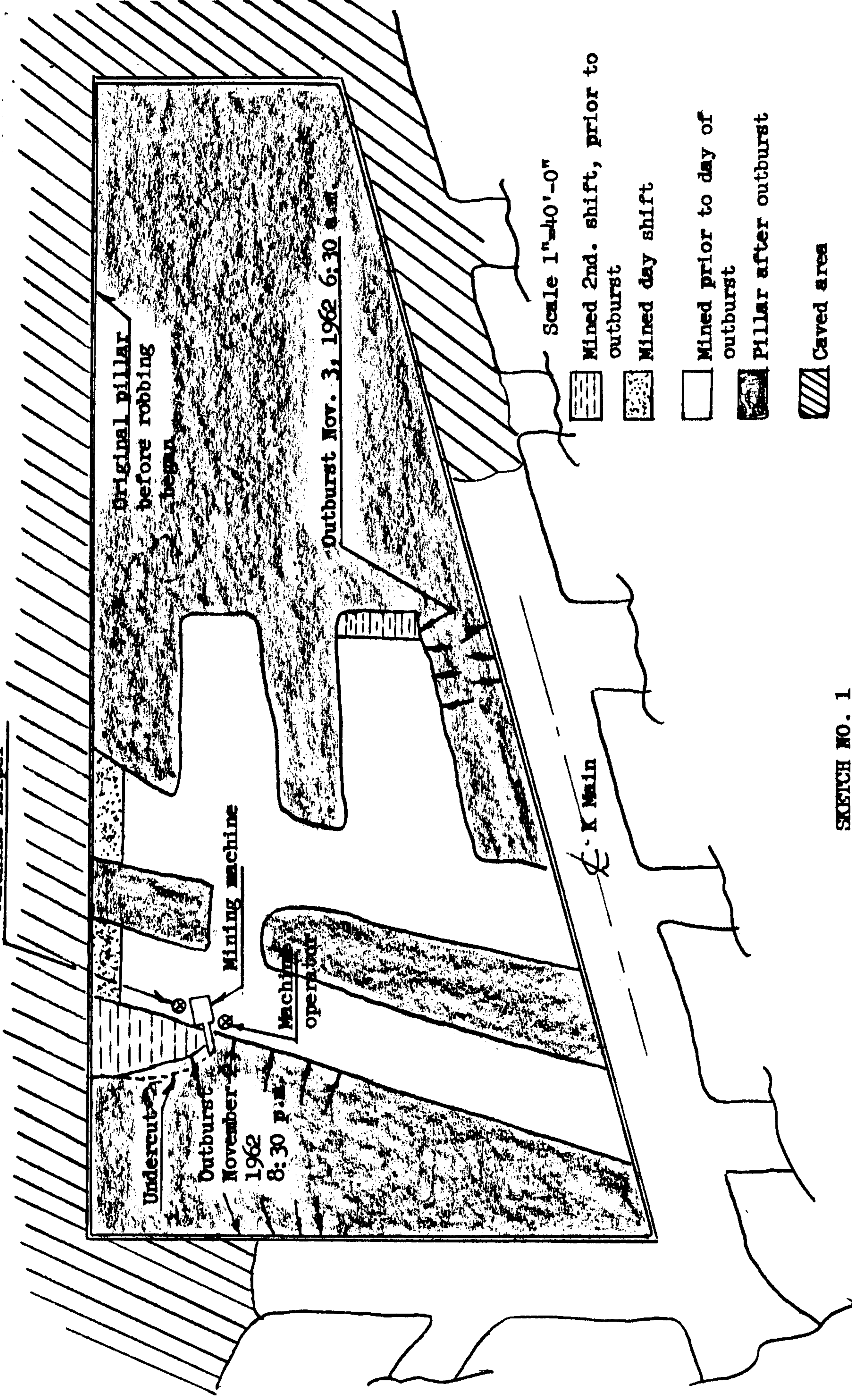
The cooperation of company officials, employees, State mine inspectors and Rufus Bailey, Harlan County Coal Operators' Association, is gratefully acknowledged.

/s/ Charles H. Sample

Charles H. Sample

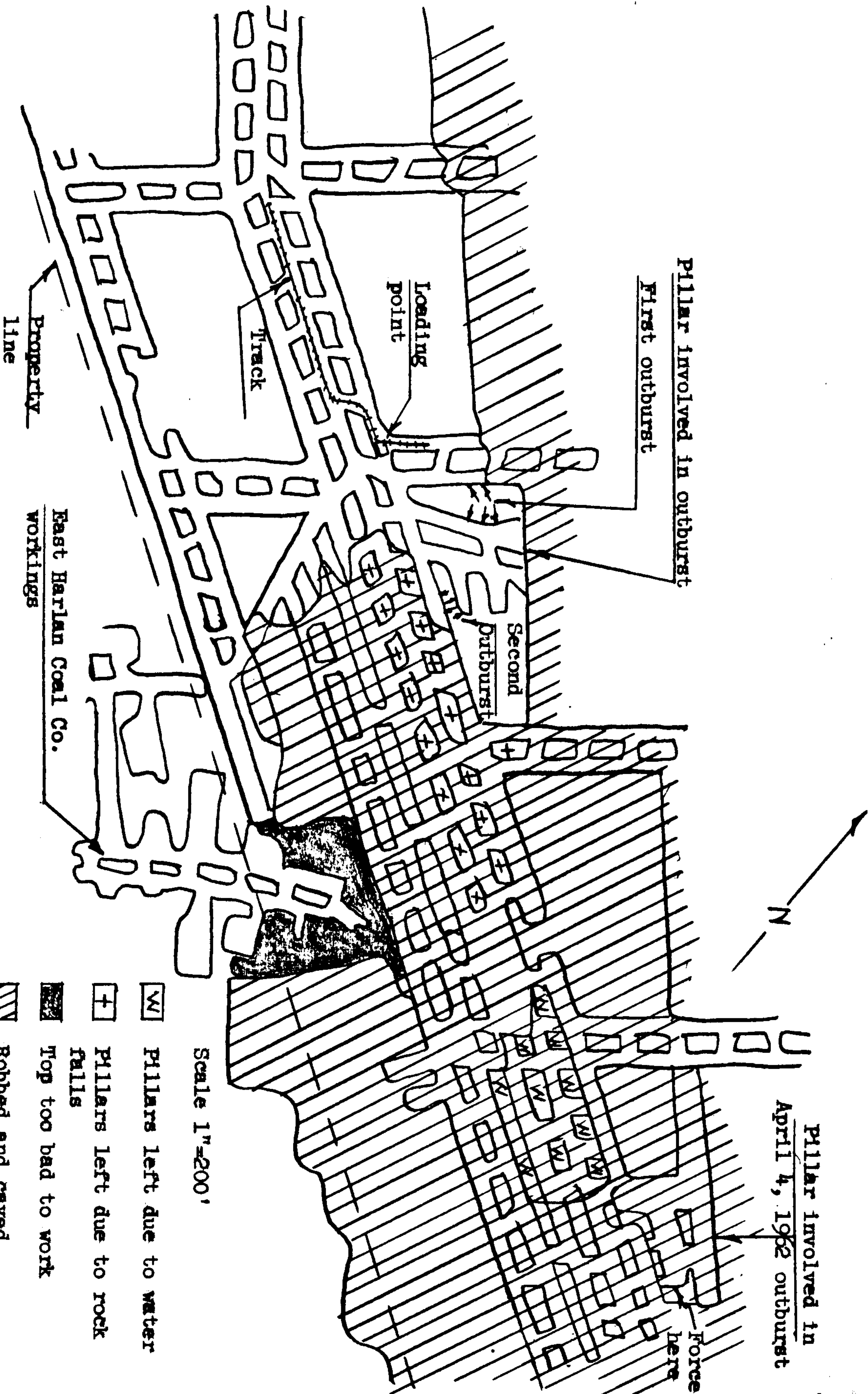


Machine helper



SKETCH NO. 1  
COAL OUTBURST  
BROOKSIDE MINE  
KENTUCKY JELLICO COAL COMPANY, INCORPORATED  
NOVEMBER 2 AND 3, 1962





SKETCH NO. 2  
 COAL OUTBURST  
 BROOKSIDE MINE  
 KENTUCKY JELICO COAL COMPANY, INCORPORATED  
 NOVEMBER 2, 1962

Mr Parry

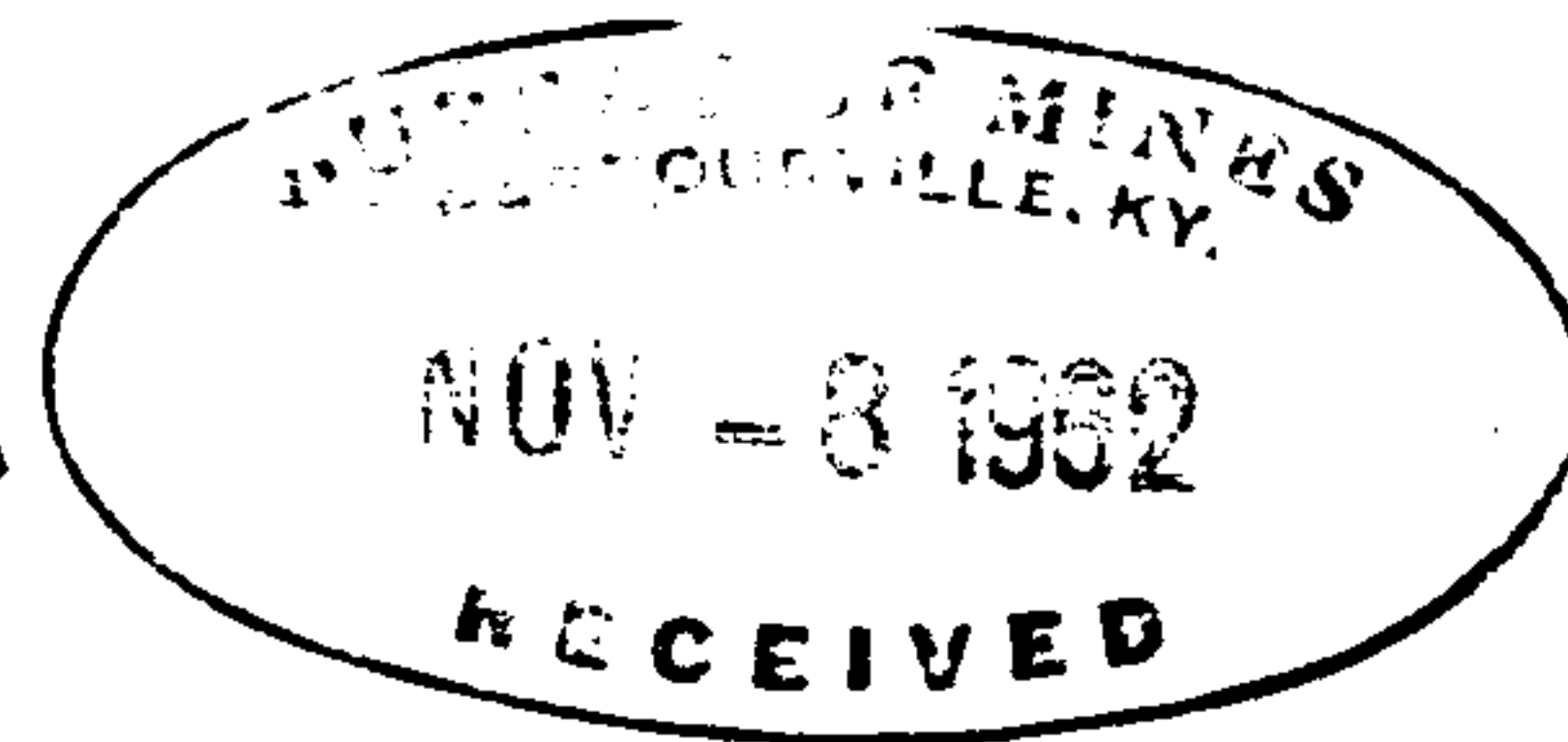
Mr. Gilley would like to  
have about 6 copies of  
these if you run off any.

Sample

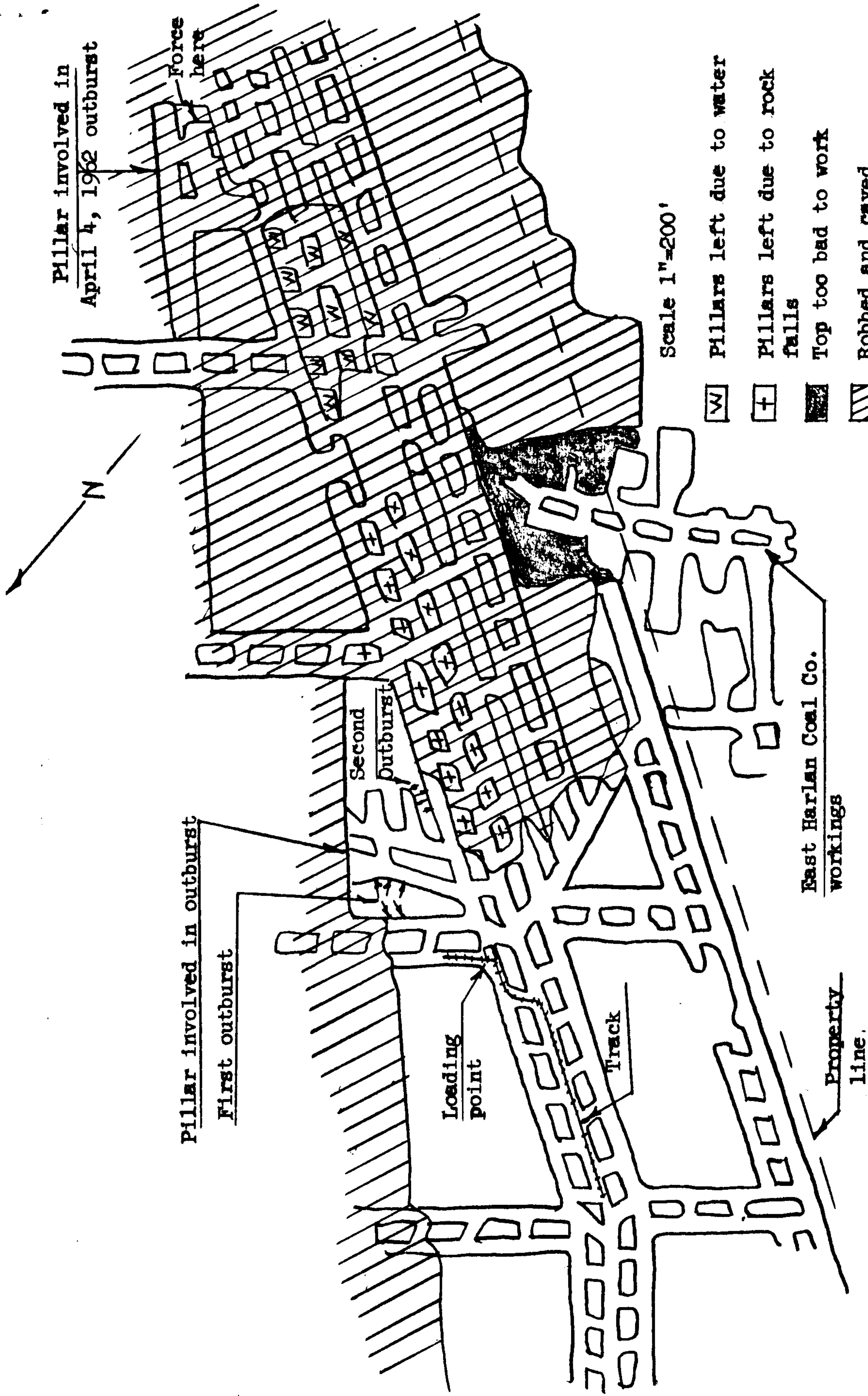
sent to Sample 13 copies 11/8/62

Gilley 6 each  
Rufus Bailey 4 each  
Sample 3 each

Mr. Rufus Bailey, Director of Safety  
Harlan County Coal Operator's Assoc.  
Harlan, Kentucky



Mr. James Gilley, Inspector  
Bureau of Mines  
Princeton, W. Va.



SKETCH NO. 2  
 COAL OUTBURST  
 BROOKSIDE MINE  
 KENTUCKY JELICO COAL COMPANY, INCORPORATED  
 NOVEMBER 2, 1962